

Title (en)

FILL LEVEL DETECTIONNG FOR ELECTRODE CAP MAGAZINES

Title (de)

FÜLLSTANDSERKENNUNG FÜR ELEKTRODENKAPPENMAGAZINE

Title (fr)

SYSTÈME DE RECONNAISSANCE DU NIVEAU DE REMPLISSAGE POUR MAGASINS DE CAPUCHONS D'ÉLECTRODES

Publication

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Application

EP 19710998 A 20190220

Priority

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Abstract (en)

[origin: WO2020052792A1] The invention relates to fill level detectionng for electrode cap magazines of welding electrodes, consisting of an electrode cap magazine having at least one electrode cgap channel (5), in which at least one cap conveyor (6) is arranged in a linearly moveable manner and preferably applied with a spring force, which moves the electrode caps (3) contained in the electrode cap channel (5) in the direction of the removal opening for the access of welding tongs, wherein the mechanicallyt connected element thereof functions as a measuring surface (8) and a sensor (7) for path measurement is arranged on the impinged side and/or the fixed side thereof, which projects a measuring beam onto the measuring surface (8) for measuring the distance between the sensor (7) and the measuring surface (8) and the exact number of the electrode caps (3) contained in the electrode cap magazine is determined by means of the evaluation of evaluating this path distance detected by the sensor (7).

IPC 8 full level

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Citation (search report)

See references of WO 2020052792A1

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WO 2020052792 A1 20200319; AR 114787 A1 20201014; BR 112021003766 A2 20210525; CA 3110630 A1 20200319; CN 113039033 A 20210625; DE 102018007252 A1 20200319; DE 102018007252 B4 20210819; EP 3849736 A1 20210721; JP 2022500247 A 20220104; JP 7131867 B2 20220906; KR 102468790 B1 20221118; KR 20210045488 A 20210426; MX 2021002340 A 20210428; RU 2768904 C1 20220325; TW 202010589 A 20200316; TW I723364 B 20210401; US 2022032393 A1 20220203; ZA 202101028 B 20220126

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